

09/687, 864  
20

**CLAIMS: We claim:**

1. A vaccine comprising one or more antigens linked to a domain that binds at least one receptor.
2. A vaccine of claim 1 where said receptor is CD40.
3. A vaccine of claim 1 where said domain is CD154 or a portion of CD154.
4. A vaccine of claim 1 where said domain is a single chain Fv that binds CD40.
5. A vaccine of claim 1 where said domain binds to one or more receptors selected from the group consisting of CD80, CD86, CD32, CD64, CD83, ICOS ligand, Flt3, CD10, CD11, CD14, CD15, CD16, CD18, CD19, CD20, CD21, CD22, CD23, CD37, CD38, CD39, CD43, CD56, CD58, CD72, CD75, CD76, CD77, CD78, and cytokine/growth factor receptors.
6. A vaccine of claim 1 where said antigen is HIV-1 gp160 or a portion of HIV-1 gp160.
7. A vaccine of claim 1 where said antigen is a tumor antigen or a microbial antigen.
8. A DNA expression plasmid encoding a vaccine comprising one or more antigens linked to a domain that binds at least one receptor.
9. A DNA expression plasmid of claim 8 encoding a vaccine where said receptor is CD40.
10. A DNA expression plasmid of claim 8 encoding a vaccine where said domain is CD154 or a portion of CD154.
11. A DNA expression plasmid of claim 8 encoding a vaccine where said domain is a single chain Fv that binds CD40.
12. A DNA expression plasmid of claim 8 encoding a vaccine where said domain binds to one or more antigens selected from the group consisting of CD80, CD86, CD32, CD64, CD83, ICOS ligand, Flt3, CD10, CD11, CD14, CD15, CD16, CD18, CD19, CD20, CD21, CD22, CD23, CD37, CD38, CD39, CD43, CD56, CD58, CD72, CD75, CD76, CD77, CD78, and cytokine/growth factor receptors.
13. A DNA expression plasmid of claim 8 encoding a vaccine where said antigen is HIV-1 gp160 or a portion of HIV-1 gp160.
14. A DNA expression plasmid of claim 8 encoding a vaccine where said antigen is a tumor antigen or a microbial antigen.

— Ag — RB —